

## ABSTRACT

A semiconductor device with its package size close to its chip size has a stress absorbing layer, allows a patterned flexible substrate to be omitted, and allows a plurality of components to be fabricated simultaneously. There is: a step of forming electrodes (12) on a wafer (10); a step of providing a resin layer (14) as a stress relieving layer on the wafer (10), avoiding the electrodes (12); a step of forming a chromium layer (16) as wiring from electrodes (12) over the resin layer (14); a step of forming solder balls as external electrodes on the chromium layer (16) over the resin layer (14); and a step of cutting the wafer (10) into individual semiconductor chips; in the steps of forming the chromium layer (16) and solder balls, metal thin film fabrication technology is used during the wafer process.